CONTENTS

Vol. 21 1977

Pages

ADAMS, J. F., and CLARKE, F. W., Stable operations on complex K-theory 826–829

AKST, GEORGE, Measure algebras on infinite dimensional spaces . 124–139

ALPERIN, J. L., Periodicity in groups 776–783

APPEL, K., and HAKEN, W., Every planar map is four colorable Part I: Discharging 429–490

APPEL, K., HAKEN, W., and KOCH, J., Every planar map is four colorable Part II: Reducibility 491–567

ARNOLD, JIMMY T., GILMER, ROBERT, and HEINZER, WILLIAM, Some countability conditions in a commutative ring 648–665

ASCHBACHER, MICHAEL, On finite groups in which the generalized fitting group of the centralizer of some involution is extra-special 347–364

BAUMAN, STEVEN, Subgroups with trivial maximal intersection . . 568–574

BIERMAN, ORVILLE, A monotone intersection property for manifolds 286–292

BROWN, RICHARD L. W., A note on immersions up to cobordism . 240–241

BURKINSHAW, OWEN, and DODDS, PETER, Disjoint sequences, compactness and semireflexivity in locally convex Riesz spaces 759–775

CAPPELL, SYLVAIN E., and SHANESON, JULIUS L., Totally spineless manifolds 231–239

CHILLAG, DAVID, On a class of doubly transitive permutation groups of degree $pq + 1$ 413–419

CHUI, C. K., SMITH, P. W., SMITH, R. R., and WARD, J. D., L-ideals and numerical range preservation 365–373

CLARKE, F. W., and ADAMS, J. F., Stable operations on complex K-theory 826–829

CLOZEL, LAURENT, Ordering on a semisimple lie group and character values 685–687

CRAVEN, THOMAS, and CSORDAS, GEORGE, Multiplier sequences for fields 801–817

CSORDAS, GEORGE, and CRAVEN, THOMAS, Multiplier sequences for fields 801–817

CZERWINSKI, TERRY, On collineation groups that fix a line of a finite projective plane 221–230

DARST, R. B., Convergence of Radon-Nikodym derivatives and martingales given sigma lattices 113–123

DELEEUW, KAREL, An harmonic analysis for operators II: Operators on Hilbert space and analytic operators 164–175

DEMPWOLFF, ULRICH, Correction to my paper "On primitive permutation groups whose stabilizer of a point induces $L_2(q)$ on a suborbit" 427

DEVINATZ, ALLEN, and FRIEDMAN, AVNER, The asymptotic behavior of the principal eigenvalue of singularly perturbed degenerate elliptic operators 852–870

DICKMAN, R. F., JR., 0-perfect and 0-absolutely closed functions 42–60

DODDS, PETER, and BURKINSHAW, OWEN, Disjoint sequences, compactness and semireflexivity in locally convex Riesz spaces . . . 759–775

Pages

DONNELLY, HAROLD, Spectral invariants of the second variation operator 185–189
DROR, E., DWYER, W. G., and KAN, D. M., An arithmetic square for virtually nilpotent spaces 242–254
DROR, E., and DWYER, W. G., A stable range for homology localization 675–684
DWYER, W. G., DROR, E., and KAN, D. M., An arithmetic square for virtually nilpotent spaces 242–254
DWYER, W. G., and DROR, E., A stable range for homology localization 675–684
FADELL, EDWARD, Equivariant maps and Haar systems 76–83
FRIEDBERG, STEPHEN H., and SPENCE, LAWRENCE E., Local-belonging sets and multiplier-induced ideals in group algebras . . . 293–299
FRIEDMAN, AVNER, and DEVINATZ, ALLEN, The asymptotic behavior of the principal eigenvalue of singularly perturbed degenerate elliptic operators 852–870
FRIEDMAN, HARVEY, A definable nonseparable invariant extension of Lebesgue measure 140–147
GANGOLLI, RAMESH, Zeta functions of Selberg's type for compact space forms of symmetric spaces of rank one 1–41
GELLER, SUSAN, C., On the GE_n of a ring 109–112
GILMER, ROBERT, ARNOLD, JIMMY T., and HEINZER, WILLIAM, Some countability conditions in a commutative ring 648–665
GOLD, ROBERT, Hilbert class fields and split extensions 66–69
GOLDFEATHER, JAY E., Incompressibility and fibrations 688–702
GORDON, Y., and SAPHAR, P., Ideal norms on $E \otimes L_p$ 266–285
GOTTLIEB, DANIEL HENRY, Fiber bundles with cross sections and noncollapsing spectral sequences 176–177
GREEN, EDWARD L., A note on modules with waists 385–387
GUGENHEIM, V. K. A. M., On Chen's iterated integrals 703–715
HAKEN, W., and APPEL, K., Every planar map is four colorable Part I: Discharging 429–490
HAKEN, W., APPEL, K., and KOCH, J., Every planar map is four colorable Part II: Reducibility 491–567
HARRIS, L. A., and KAUP, W., Linear algebraic groups in infinite dimensions 666–674
HARRIS, MORTON E., and SOLOMON, RONALD, Finite groups having an involution centralizer with a 2-component of dihedral type, I 575–620
HARRIS, MORTON E., Finite groups having an involution centralizer with a 2-component of dihedral type, II 621–647
HAUSEN, JUTTA, Quasi-regular ideals of some endomorphism rings 845–851
HEINZER, WILLIAM, ARNOLD, JIMMY T., and GILMER, ROBERT, Some countability conditions in a commutative ring 648–665
HENNEFELD, JULIEN, Compact extremal operators 61–65
HILL, D., PASSOW, E., and RAYMON, L., Correction to our paper "Approximation with interpolatory constraints" 428

Pages

JOHNSON, RUSSELL A., The measure-theoretic structure groups is not invariant 178–184
KAN, D. M., DROR, E., and DWYER, W. G., An arithmetic square for virtually nilpotent spaces 242–254
KANNAN, V., and RAJAGOPALAN, M., Scattered spaces II . . . 735–751
KAUP, W., and HARRIS, L. A., Linear algebraic groups in infinite dimensions 666–674
KOCH, J., APPEL, K., and HAKEN, W., Every planar map is four colorable Part II: Reducibility 491–567
KRAINES, DAVID, The kernel of the loop suspension map . . . 91–108
KUELBS, J., Kolmogorov's law of the iterated logarithm for Banach space valued random variables 784–800
LAMBERT, PETER J., A characterization of PSL $(4,q)$, q even, $q > 4$ 255–265
LAVORI, PHILIP, Recursion in the extended superjump 752–758
LIGAARD, H. J., Infinite loop maps from SF to $BO_{\otimes}$ at the prime 2 830–835
MICHAEL, E., Complete spaces and triquotient maps 716–733
NICHOLLS, P. J., The orbital counting function of a Fuchsian group 374–384
OBERAI, KIRTI, K., On the Weyl spectrum II 84–90
PAO, PETER SIE, The topological structure of 4 manifolds with effective torus actions, II 883–894
PARRY, CHARLES J., Class number formulae for bicubic fields . . 148–163
PASSOW, E., HILL, D., and RAYMON, L., Correction to our paper "Approximation with interpolatory constraints" 428
PESEK, JOHN, JR., One point regularity properties of multiple Fourier series with gaps 871–882
PETERSON, GARY L., On the automorphism groups of an integral group ring, II 836–844
PORTER, JACK R., and DICKMAN, R. F., 0-perfect and 0-absolutely closed functions 42–60
PUTNAM, C. R., Peak sets and subnormal operators 388–394
RADJABALIPOUS, M., Ranges of hyponormal operators 70–75
RAJAGOPALAN, M., and KANNAN, V., Scattered spaces II . . . 735–751
RAYMON, L., HILL, D., and PASSOW, E., Correction to our paper "Approximation with interpolatory constraints" 428
RAZAR, MICHAEL J., On the transformation of $\log n$ 305–314
ROGERS, JAMES T., JR., The shape of a cross-section of the solution funnel of an ordinary differential equation 420–426
ROSAY, JEAN-PIERRE, Sur la coherence de certains anneaux de fonctions 895–897
ROSENBERG, JONATHAN, Frobenius reciprocity for square-integrable factor representations 818–825
SAEKI, SAHAHIRO, Singular measures having absolutely continuous convolution powers 395–412
SAPHAR, P., and GORDON Y., Ideal norms on $E \otimes L_p$ 266–235
SHANESON, JULIUS L., and CAPPELL, SYLVAIN E., Totally spineless manifolds 231–239
SMITH, P. W., CHUI, C. K., SMITH, R. R., and WARD, J. D., L-ideals and numerical range preservation 365–373

Pages

SMITH, R. R., CHUI, C. K., SMITH, P. W., and WARD, J. D., *L*-ideals and numerical range preservation 365–373

SNAITH, VICTOR, The total Chern and Stiefel-Whitney classes are not infinite loop maps 300–304

SOLOMON, RONALD, and HARRIS, MORTON E., Finite groups having an involution centralizer with a 2-component of dihedral type, I 575–620

SPENCE, LAWRENCE E., and FRIEDBERG, STEPHEN H., Local-belonging sets and multiplier induced ideals in group algebras . . . 293–299

STERN, RONALD J., Classification theorems for parameterized families of smooth or piecewise linar manifold structions respecting a submanifold 190–219

SULLIVAN, FRANCIS, Geometrical properties determined by the higher duals of a Banach space 315–331

WARD, J. D., CHUI, C. K., SMITH, P. W., and SMITH, R. R., *L*-ideals and numerical range preservation 365–373

WESTMAN, JOEL J., Skew products and similarity of virtual subgroups 332–346

YANG, CHUNG-CHUN, On the factorization of entire functions . . 898–905